REPORT

8/16/88 A8050-3

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

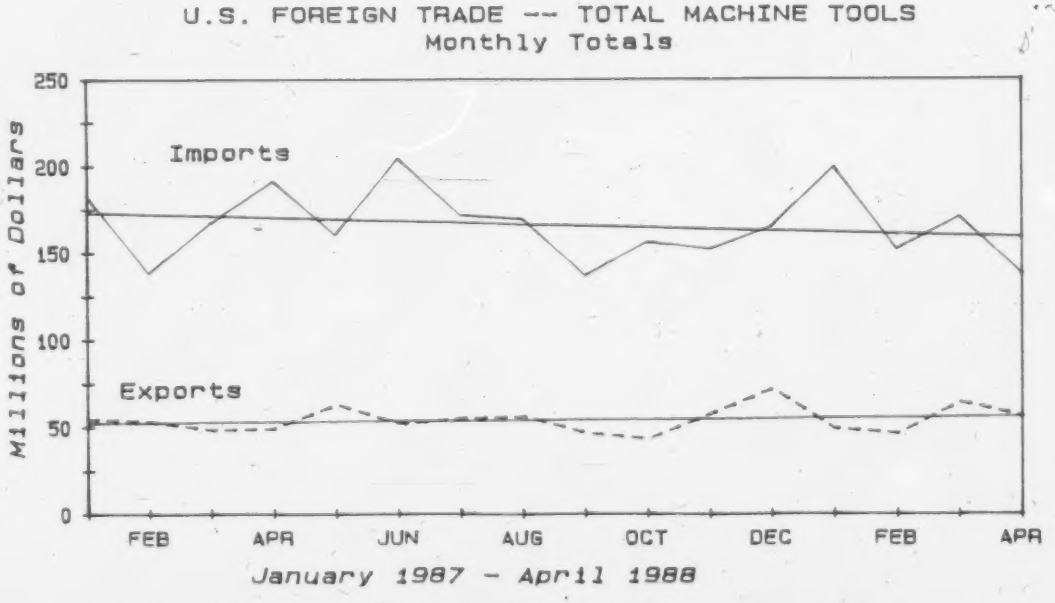
STATISTICAL
No. 104-88 August 12, 1988

U.S. FOREIGN TRADE IN MACHINE TOOLS - APRIL 1988

During April of 1988, U.S. imports of machine tools fell 19% from their March level to $137.8 million. Year-to-date exports increased 6% above the same period last year to $216.8 million. However, April U.S. exports decreased 13% from their March 1988 level. Metal forming machine tool figures for April showed a trade surplus of $0.7 million, while metal cutting machine tools produced a trade deficit of $82.5 million. The four month total deficit amounted to $442.5 million, down 7% from the same period last year.

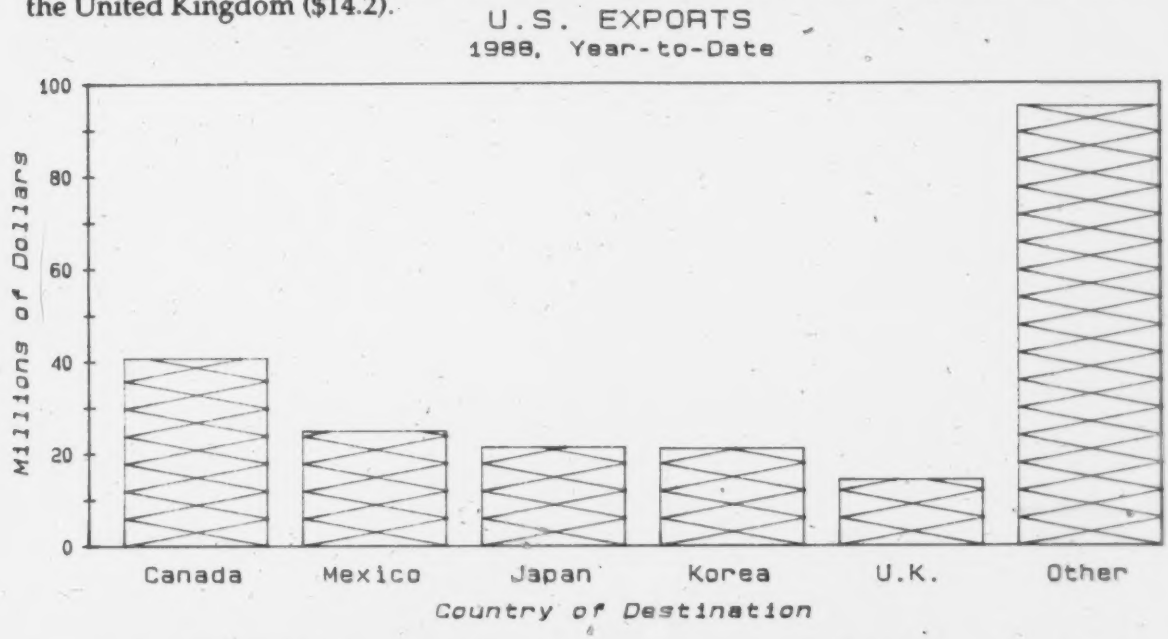
U.S. Machine Tool Trade
($Millions)

	April 1988			Four Month Total		
	Exports	Imports	Surplus (Deficit)	Exports	Imports	Surplus (Deficit)
Metal Cutting	$ 28.0	$110.5	($ 82.5)	$116.8	$ 504.6	($ 387.8)
Metal Forming	$ 28.0	$ 27.3	($ 0.7)	$100.0	$ 154.7	($ 54.7)
Total	$ 56.1	$137.8	($ 81.8)	$216.8	$ 659.3	($ 442.5)

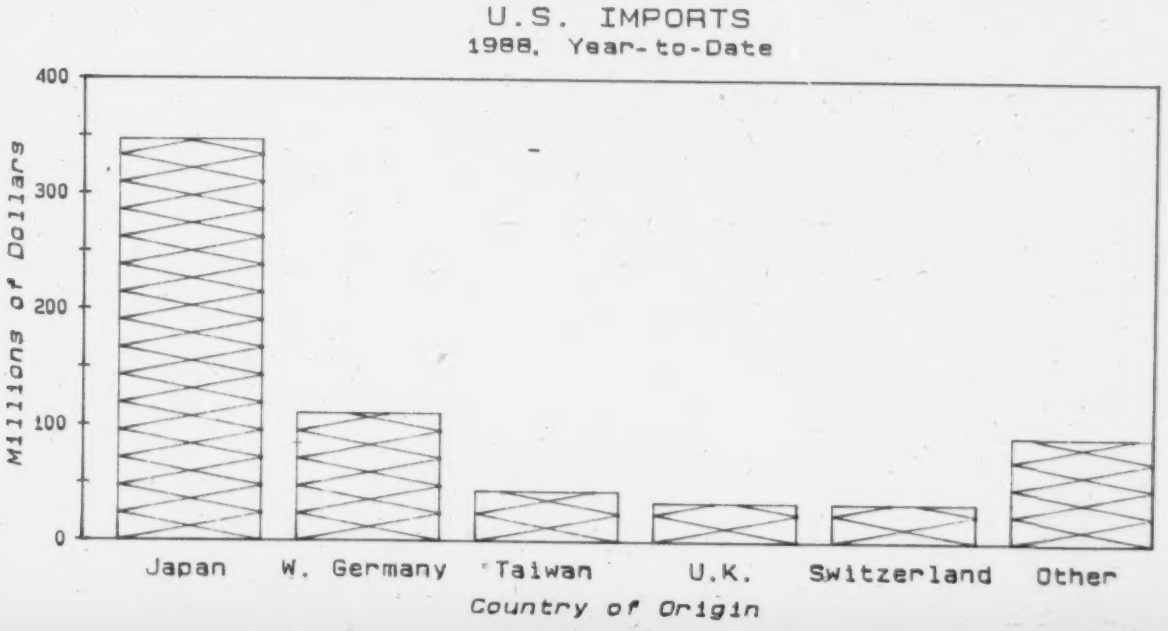


7901 WESTPARK DRIVE, McLEAN, VIRGINIA 22102-4269 / PHONE (703) 893-2900 / TLX: 353819 / FAX (703)893-1151

U.S. exports of metal cutting machine tools fell 18% from the March total while metal forming decreased 7%. Compared to the first four months of 1987, metal cutting exports rose 4% to $116.8 million. Year-to-date metal forming exports increased 8% to $100.0 million. For January through April 1988, the leading export markets were (in millions): Canada($40.6), Mexico($24.8), Japan($21.3), the Korean Republic($21.0) and the United Kingdom ($14.2).



During April 1988, U.S. imports of metal cutting machines fell 13% from the March level and the four month total fell 6% from the first four months of 1987. Metal forming imports decreased 38% from March but increased 10% from the year-to-date totals of 1987. The leading exporters to the U.S. during the four months of 1988 were (in millions): Japan($346.4), West Germany ($110.4), Taiwan($43.3), the United Kingdom($33.8) and Switzerland ($33.3).



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SPECIAL ADDENDUM

Revision to U.S. Exports of Machine Tools, First Quarter 1988

We have been advised by the U.S. Department of Commerce that there was an error in the first quarter 1988 totals for metal cutting machine exports. The affected codes and correct numbers are listed below. The April year-to-date totals reflect these corrections.

Code 674:	Units	Value $000
4000	1273	$15,559
5000	5612	$3,645

A 8050-3

ERRATA

After the attached Statistical Report No. 104-88 was printed and collated, a minor error was discovered. Since foreign trade in metal forming machine tools produced a surplus in April 1988, the parentheses should be omitted. The surplus of $0.7 million is correct.

A 8050-3

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
APRIL 1988

RELEASED: AUGUST 12, 1988

		TOTAL YTD		TOTAL MO.	
674:	METAL CUTTING	UNITS	$000	UNITS	$000
3025	Gear Hobbers	27	4430	7	614
3035	Gear Shapers	5	1074	0	0
3045	Gear Cutting Machines, N.E.C.	17	1117	2	9
3404	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	648	47227	139	9960
3406	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	35	4081	11	1592
3409	Horizontal Machining Centers, ATC, NC	291	41724	67	11845
3411	Machining Centers, NC, N.E.C.	120	31723	21	3445
3412	Single Station and Multi-Station Transfer Machines	35	13483	8	4319
3413	Way Type Machines, (Unit Heads)	0	0	0	0
3417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	1	758	0	0
3418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	23	2657	1	291
3419	Vertical Boring-Drilling-Milling Machines, NC	45	3640	14	1209
3422	Horiz. Boring-Drilling-Milling Machines, Non-NC	2	500	1	300
3423	Vertical Boring-Drilling-Milling Machines, Non-NC	55	2563	10	201
3328	Drilling Machines, NC	74	2968	17	423
3329	Drilling Machines, Multi-Spindle, Non-NC	26	231	0	0
3334	Drilling Machines, Radial, Non-NC	33	257	3	17
3336	Drilling Machines, Upright, Single Spindle, Non-NC	61	371	20	99
3342	Drilling Machines, Non-NC, N.E.C.	159	6892	13	308
3464	Milling Machines, NC	95	14032	12	3530
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	10	278	3	127
3467	Milling Machines, Knee Type, Non-NC	1049	5889	233	1299
3468	Milling Machines, Bed Type, Non-NC	106	4792	16	365
3469	Milling Machines, Non-NC, N.E.C.	817	11869	191	3778
3476	Vertical Boring Machines, Incl. VTL's, NC	7	1533	1	273
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	25	1098	6	26
3481	Boring Machines, NC, N.E.C.	4	907	0	0
3483	Boring Machines, Non-NC N.E.C.	139	3321	35	527
3504	Horizontal Lathes, Multi-Spindle, NC	53	5998	15	1328
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	1089	68945	291	17801
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	143	17485	31	3776
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	13	1920	3	542
3512	Horizontal Engine & Toolroom Lathes, Non-NC	822	7839	212	2217
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	2	143	0	0
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	3	660	0	0
3515	Automatic Bar Machines, Single Spindle, Non-NC	57	1640	4	41
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	32	1385	1	158
3518	Horizontal Lathes, Non-NC, N.E.C.	74	2134	24	1177
3505	Vertical Lathes, Multi-Spindle, NC	20	1491	1	182
3519	Vertical Lathes, NSPF, NC	49	3524	4	546
3522	Vertical Lathes, Excl. VTL's, Non-NC	284	6539	57	2124
3527	Gear Tooth Grinding & Finishing Machines	222	10661	51	1602
3528	Tool & Cutter Grinding Machines, NC	27	1172	13	191
3529	Tool & Cutter Grinding Machines, Non-NC	425	18923	66	1614
3533	Honing & Lapping Machines	125	9525	36	3289
3539	Grinding Machines, Flat Surface, NC	16	1257	3	455
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	174	2753	52	980
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	844	9367	189	2409
3546	Grinding & Polishing Machines, NC, N.E.C.	68	7537	15	1962
3554	External Grinding Machines, Non-NC	124	3945	3	309
3556	Internal Grinding Machines, Non-NC	12	780	1	6
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	67	1635	10	328
3559	Grinding Machines, Non-NC, N.E.C.	408	10265	49	1020
3562	Traveling Wire Electrical Discharge Machines	309	20137	63	4819
3564	All Other Electrical Discharge Machines	123	6837	35	1530
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	34	4208	7	1161
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	293	1565	2	2
3576	Metal Cutting Machines Tools, NC, N.E.C.	102	4103	9	677
3577	Sawing & Cut-Off Machines, Non-NC	514	8856	100	1225
3578	Broaching Machines, Non-NC	103	1167	87	610
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	488	12726	112	3008
4000	Metal Cutting Machine Tools, Used or Rebuilt*	749	7193	184	847
5000	Metal Cutting Machine Tools, Less Than $2500**	299137	30856	73847	8003
	TOTAL CUTTING			76408	110500
	TOTAL CUTTING YTD	310914	504577		
674:	METAL FORMING				
1010	Die Casting Machines	173	13545	50	2041
3582	Metal Forming Machine Tools, Used or Rebuilt	223	1930	19	66
3583	Metal Forming Machine Tools, Less Than $2500	9573	3966	2365	938
3584	Punching and Shearing Machines, Incl. Combination, NC	107	10689	8	1489
3586	Shearing Machines, Non-NC	215	3846	43	657
3587	Punching & Combination Punching & Shearing Machines, Non-NC	194	3735	70	774
3588	Bending, Folding, Straightening & Flattening Machines, NC	117	5476	29	1803
3589	Press Brakes, Non-NC	209	5002	41	1229
3591	Bending Rolls, Ram & Press Bending Machines, Non-NC	32	475	8	77
3592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	359	9950	93	1731
3593	Metal Forming Machine Tools, NC, N.E.C.	22	19935	6	2065
3594	Mechanical Presses, Non-NC	197	24516	37	2447
3595	Hydraulic Presses, Vertical, Single Action, Non-NC	25	1248	6	263
3596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	280	10844	63	370
3597	Headers & Upsetters, Non-NC	18	2901	6	1762
3598	Forging Machines, Non-NC, N.E.C.	36	10789	3	232
3599	Metal Forming Machine Tools, Non-NC, N.E.C.	865	25843	118	9372
	TOTAL FORMING			2965	27319
	TOTAL FORMING YTD	12645	154687		
	TOTAL ALL TYPES			79373	137819
	TOTAL ALL TYPES YTD	323559	659264		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3415, 3326, 3461, 3472, 3502, 3524, & 3573

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3100, 3462, 3473, 3503, 3526, & 3574

U S IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
APRIL 1988

674:	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	0	0
3411	0	0	0	0	0	0	4	289	1	81
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	0	0	0	0	0	0
3464	0	0	0	0	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	17	192	0	0	0	0	0	0	5	397
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	6	26
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	10	152
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	2	6	1	3
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	2	377
3522	13	383	0	0	0	0	0	0	0	0
3527	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	12	101
3529	1	73	0	0	0	0	0	0	2	8
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	5	334
3543	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	7	264
3559	0	0	0	0	11	88	0	0	5	77
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	1	15	0	0	0	0	0	0	22	127
3578	0	0	0	0	0	0	0	0	0	0
3579	1	5	0	0	0	0	14	243	1	19
4000	0	0	1	11	2	3	3	11	1	286
5000	277	117	7	14	1	1	162	163	261	147
CUT MO	310	785	8	25	14	92	185	712	341	2399
CUT YTD	1254	2492	210	1066	196	588	1440	3063	3134	12427
1010	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	2	3	0	0	1	19
3583	1	1	20	2	5	4	227	23	2	3
3584	0	0	0	0	0	0	0	0	0	0
3586	0	0	3	87	1	27	0	0	0	0
3587	0	0	0	0	0	0	0	0	36	407
3588	0	0	0	0	6	94	0	0	0	0
3589	0	0	9	181	2	162	0	0	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	0	0	0	0	0	0	3	22
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	0	0	0	0	0	0	0	0
3597	0	0	0	0	0	0	0	0	2	401
3598	0	0	0	0	0	0	0	0	0	0
3599	0	0	18	620	0	0	0	0	13	160
FRM MO	1	1	50	890	16	290	227	23	57	1012
FRM YTD	2	84	534	4475	36	300	395	2051	1367	9832
TOT MO	311	786	58	915	30	382	412	735	398	3411
TOT YTD	1256	2576	744	5541	232	888	1835	5114	4501	22259

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
APRIL 1988

674	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	0	0
3411	0	0	0	0	0	0	0	0	1	416
3412	0	0	0	0	0	0	0	0	3	501
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	3	132	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	0	0	0	0	1	25
3464	0	0	0	0	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	108	697	0	0	0	0
3468	0	0	0	0	8	226	0	0	0	0
3469	0	0	0	0	28	193	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	1	37
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	1	381
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	2	250	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	1	6
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	0	0
3522	0	0	0	0	1	13	0	0	2	40
3527	0	0	0	0	0	0	2	10	3	505
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	5	212
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	1	68	0	0	2	387
3541	0	0	0	0	0	0	0	0	0	0
3543	0	0	0	0	0	0	0	0	2	183
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	1	85
3556	0	0	0	0	0	0	0	0	0	0
3558	3	64	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	6	61
3562	0	0	0	0	3	120	0	0	6	786
3564	0	0	0	0	0	0	0	0	4	498
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	0	0	0	0	2	23	0	0	1	204
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	0	0	0	0	1	3
4000	0	0	0	0	1	2	0	0	2	10
5000	83	128	0	0	0	0	5	5	129	20
CUT MO	89	324	0	0	154	1592	7	15	172	4360
CUT YTD	4185	1808	22	38	646	6112	620	1962	1542	25487
1010	0	0	0	0	0	0	0	0	1	46
3582	0	0	0	0	0	0	3	3	0	0
3583	7	6	0	0	91	63	92	32	24	7
3584	0	0	0	0	0	0	0	0	0	0
3586	0	0	1	14	0	0	0	0	0	0
3587	0	0	0	0	16	156	6	128	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	2	23
3591	0	0	0	0	0	0	4	32	0	0
3592	0	0	0	0	0	0	4	64	1	15
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	3	39	0	0	0	0	0	0
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	0	0	0	0	2	194	0	0	7	4512
FRM MO	7	6	4	53	109	413	109	259	35	4603
FRM YTD	28	880	29	239	275	1112	399	1558	655	7856
TOT MO	96	330	4	53	263	2005	116	274	207	8963
TOT YTD	4213	2688	51	277	921	7224	1019	3520	2197	33343

U S IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
APRIL 1988

674:	U KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	1	5	3	528	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	2	9	0	0	0	0	0	0
3404	3	269	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	5	304	0	0	0	0	0	0	0	0
3411	1	92	3	769	0	0	0	0	0	0
3412	0	0	5	3818	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	1	291	0	0	0	0	0	0
3419	0	0	14	1209	0	0	0	0	0	0
3422	0	0	1	300	0	0	0	0	0	0
3423	0	0	7	69	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	19	92	0	0	0	0	0	0
3342	1	9	4	181	0	0	2	15	0	0
3464	0	0	0	0	0	0	1	44	0	0
3466	1	85	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	84	1384	4	1379	0	0	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	1	95	1	18	0	0	3	24	0	0
3504	0	0	0	0	0	0	0	0	0	0
3506	3	139	3	647	0	0	0	0	0	0
3508	0	0	1	112	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	31	474	0	0	0	0	0	0	33	222
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	1	158	0	0	0	0	0	0	0	0
3518	0	0	1	340	0	0	0	0	11	30
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	0	0
3522	9	529	6	682	0	0	9	369	6	20
3527	5	19	4	889	0	0	0	0	0	0
3528	0	0	1	90	0	0	0	0	0	0
3529	5	32	29	400	0	0	2	57	0	0
3533	5	103	7	701	0	0	1	8	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3543	2	67	15	157	0	0	28	122	0	0
3546	0	0	8	935	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	1	20	7	172	0	0	2	7	0	0
3562	0	0	0	0	0	0	0	0	0	0
3564	1	5	4	303	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	2	2	0	0	0	0	0	0	0	0
3576	0	0	2	401	0	0	0	0	0	0
3577	1	35	8	125	13	39	7	65	0	0
3578	1	71	85	532	0	0	0	0	0	0
3579	25	129	19	1263	0	0	34	787	0	0
4000	24	140	15	130	0	0	14	68	1	28
5000	2077	133	777	274	48	66	1208	234	0	0
CUT MO	2290	4299	1056	16816	61	105	1311	1800	51	300
CUT YTD	5214	27573	4352	89394	123	590	4122	5501	206	1020
1010	1	79	9	202	0	0	11	407	0	0
3582	0	0	5	14	0	0	6	24	0	0
3583	1	2	592	349	0	0	38	21	0	0
3584	0	0	3	829	0	0	0	0	0	0
3586	6	80	9	171	0	0	6	70	0	0
3587	0	0	0	0	0	0	3	14	0	0
3588	1	212	2	266	0	0	2	269	0	0
3589	0	0	0	0	0	0	14	650	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	2	53	3	105	0	0	39	469	0	0
3593	2	950	1	981	0	0	0	0	0	0
3594	2	504	0	0	0	0	3	18	0	0
3595	0	0	0	0	0	0	3	243	0	0
3596	36	97	2	24	0	0	13	117	0	0
3597	0	0	0	0	0	0	1	10	0	0
3598	0	0	1	225	0	0	0	0	0	0
3599	8	1218	22	834	0	0	7	247	0	0
FRM MO	59	3195	649	4000	0	0	146	2559	0	0
FRM YTD	514	6273	2055	21003	0	0	568	18232	10	36
TOT MO	2349	7494	1705	20816	61	105	1457	4359	51	300
TOT YTD	5728	33846	6407	110397	123	590	4690	23733	216	1056

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
APRIL 1988

	CHINA		ISRAEL		JAPAN		KOREAN REP.		SINGAPORE	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	2	64	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	117	8944	1	52	0	0
3406	0	0	0	0	9	1421	0	0	0	0
3409	0	0	0	0	62	11541	0	0	0	0
3411	0	0	0	0	9	1698	2	100	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	17	423	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	2	6	0	0	2	57	0	0	0	0
3464	0	0	0	0	11	3486	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	2	52	0	0	0	0
3469	10	44	0	0	2	23	0	0	0	0
3476	0	0	0	0	1	273	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	15	45	4	156	0	0	0	0
3504	0	0	0	0	13	1217	0	0	0	0
3506	0	0	0	0	248	15479	24	1227	7	71
3508	0	0	0	0	25	3145	0	0	0	0
3510	0	0	0	0	3	542	0	0	0	0
3512	13	41	0	0	10	223	14	145	14	138
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	5	774	0	0	0	0
3505	0	0	0	0	1	182	0	0	0	0
3519	0	0	0	0	2	169	0	0	0	0
3522	0	0	0	0	0	0	11	88	0	0
3527	0	0	0	0	6	43	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	9	752	0	0	0	0
3533	0	0	0	0	23	2477	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	10	233	0	0	37	413
3543	0	0	0	0	59	1355	0	0	0	0
3546	0	0	0	0	7	1027	0	0	0	0
3554	0	0	0	0	2	224	0	0	0	0
3556	1	6	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	7	52	0	0	9	447	0	0	0	0
3562	0	0	0	0	46	3828	0	0	0	0
3564	0	0	0	0	14	633	1	12	0	0
3567	0	0	0	0	7	1161	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	7	276	0	0	0	0
3577	0	0	1	43	25	482	0	0	0	0
3578	0	0	0	0	1	7	0	0	0	0
3579	0	0	0	0	15	542	0	0	0	0
4000	0	0	0	0	69	98	0	0	0	0
5000	4124	153	40	1	4694	1104	1	1	12	23
CUT MO.	4157	302	56	89	5546	64494	56	1689	70	645
CUT YTD	11515	1670	215	507	20207	271184	1223	4666	283	2287
1010	0	0	0	0	28	1307	0	0	0	0
3582	0	0	0	0	2	3	0	0	0	0
3583	0	0	0	0	144	205	8	18	0	0
3584	0	0	0	0	5	660	0	0	0	0
3586	0	0	0	0	10	160	0	0	3	20
3587	0	0	0	0	2	21	0	0	0	0
3588	0	0	0	0	15	897	0	0	0	0
3589	0	0	0	0	2	81	0	0	11	126
3591	0	0	0	0	4	45	0	0	0	0
3592	0	0	0	0	32	974	1	3	0	0
3593	0	0	0	0	1	35	0	0	0	0
3594	0	0	0	0	32	1925	0	0	0	0
3595	0	0	0	0	3	20	0	0	0	0
3596	0	0	0	0	2	58	0	0	0	0
3597	0	0	0	0	3	1351	0	0	0	0
3598	0	0	0	0	2	7	0	0	0	0
3599	0	0	2	40	32	1505	3	9	0	0
FRM MO.	0	0	2	40	319	9254	12	30	14	146
FRM YTD	2	58	41	695	1549	75215	33	75	267	842
TOT MO.	4157	302	58	129	5865	73748	68	1719	84	791
TOT YTD	11517	1728	256	1202	21756	346399	1256	4741	550	3129

U.S IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
APRIL 1988

	TAIWAN		AUSTRALIA		ALL OTHERS	
674	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	1	17
3035	0	0	0	0	0	0
3045	0	0	0	0	0	0
3404	18	695	0	0	0	0
3406	2	171	0	0	0	0
3409	0	0	0	0	0	0
3411	0	0	0	0	0	0
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	0	0	0	0	0	0
3418	0	0	0	0	0	0
3419	0	0	0	0	0	0
3422	0	0	0	0	0	0
3423	0	0	0	0	0	0
3328	0	0	0	0	0	0
3329	0	0	0	0	0	0
3334	3	17	0	0	0	0
3336	1	7	0	0	0	0
3342	1	15	0	0	0	0
3464	0	0	0	0	0	0
3466	2	42	0	0	0	0
3467	125	602	0	0	0	0
3468	6	87	0	0	0	0
3469	36	112	0	0	5	54
3476	0	0	0	0	0	0
3477	0	0	0	0	0	0
3481	0	0	0	0	0	0
3483	0	0	0	0	0	0
3504	2	111	0	0	0	0
3506	6	238	0	0	0	0
3508	4	138	0	0	0	0
3510	0	0	0	0	0	0
3512	73	515	0	0	22	209
3513	0	0	0	0	0	0
3514	0	0	0	0	0	0
3515	4	41	0	0	0	0
3516	0	0	0	0	0	0
3518	3	18	0	0	0	0
3505	0	0	0	0	0	0
3519	0	0	0	0	0	0
3522	0	0	0	0	0	0
3527	30	126	0	0	1	10
3528	0	0	0	0	0	0
3529	13	80	0	0	0	0
3533	0	0	0	0	0	0
3539	0	0	0	0	0	0
3541	0	0	0	0	0	0
3543	83	525	0	0	0	0
3546	0	0	0	0	0	0
3554	0	0	0	0	0	0
3556	0	0	0	0	0	0
3558	0	0	0	0	0	0
3559	1	96	0	0	0	0
3562	0	0	8	85	0	0
3564	11	79	0	0	0	0
3567	0	0	0	0	0	0
3571	0	0	0	0	0	0
3576	0	0	0	0	0	0
3577	16	57	0	0	3	10
3578	0	0	0	0	0	0
3579	1	12	0	0	1	5
4000	35	30	4	3	12	27
5000	54901	5231	0	0	5040	188
CUT MO	55377	9045	12	88	5085	520
CUT YTD	215449	41120	159	604	34597	3427
1010	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	1104	195	0	0	9	7
3584	0	0	0	0	0	0
3586	2	14	0	0	2	14
3587	7	48	0	0	0	0
3588	0	0	0	0	3	65
3589	1	6	0	0	0	0
3591	0	0	0	0	0	0
3592	4	10	0	0	4	16
3593	0	0	0	0	2	99
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3596	1	16	0	0	6	19
3597	0	0	0	0	0	0
3598	0	0	0	0	0	0
3599	3	27	0	0	1	6
FRM MO	1122	316	0	0	27	226
FRM YTD	3694	2139	5	208	187	1527
TOT MO	56499	9361	12	88	5112	746
TOT YTD	219143	43259	164	812	34784	4954

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
APRIL 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	5	40	0	0	5	40
EAST GERMANY	5	59	0	0	5	59
FINLAND	8	6	5	16	13	22
GIBRALTAR	0	0	0	0	0	0
GREECE	0	0	3	65	3	65
HUNGARY	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0
IRELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	2	2	2	99	4	101
POLAND	23	207	0	0	23	207
ROMANIA	1	10	0	0	1	10
USSR	0	0	0	0	0	0
OTHER EUROPE	0	0	6	1	6	1
TOTAL	44	324	16	181	60	505
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP.	0	0	0	0	0	0
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
MEXICO	5015	178	8	28	5023	206
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	5015	178	8	28	5023	206
OTHER SOUTH AMERICA						
ARGENTINA	10	1	0	0	10	1
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	5	11	0	0	5	11
OTHER S. AM.	0	0	0	0	0	0
TOTAL	15	12	0	0	15	12
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
APRIL 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	0	0	3	17	3	17
INDIA	2	3	0	0	2	3
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	0	0	0	0
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	9	3	0	0	9	3
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	0	0	0	0
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	11	6	3	17	14	23
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG REP	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
REP S AFRICA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S W AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH WEST AFR	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

SOURCE U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. IM146, NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES 1)'0-' = DOLLAR AMOUNT LESS THAN $500 2)N.E.C. - NOT ELSEWHERE CLASSIFIED 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING. 4)MACHINE TOOL IMPORTS, AS REFLECTED IN THE GOVERNMENT STATISTICS, ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT, INSURANCE, COMMISSIONS OR IMPORT DUTIES.

A8050-3

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
APRIL 1988

RELEASED: AUGUST 12, 1988

		TOTAL YTD		TOTAL MO	
674:	METAL CUTTING	UNITS	$000	UNITS	$000
3020	Gear Hobbers & Shapers	54	3131	1	231
3045	Gear Cutting Machines, N.E.C.	12	2111	2	520
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	57	3494	15	1075
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	7	1606	2	612
3209	Horizontal Machining Centers, ATC, NC	6	1601	4	951
3211	Machining Centers, NC, N.E.C.	27	2497	9	1405
3216	Single Station and Multi-Station Transfer Machines	9	6806	3	325
3225	Way Type Machines (Unit Heads)	4	345	3	237
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	2	692	1	267
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	0	0	0	0
3247	Vertical Boring-Drilling-Milling Machines, NC	1	512	0	0
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	1	150	0	0
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	6	92	2	32
3254	Drilling Machines, NC	2	277	0	0
3255	Drilling Machines, Multi-Spindle, Non-NC	6	350	2	101
3256	Drilling Machines, Radial, Non-NC	8	259	1	5
3257	Drilling Machines, Upright, Single Spindle, Non-NC	2	17	1	3
3258	Drilling Machines, Non-NC, N.E.C.	32	580	7	121
3264	Milling Machines, NC	4	721	1	372
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	10	975	3	82
3267	Milling Machines, Knee Type, Non-NC	2	88	1	44
3268	Milling Machines, Bed Type, Non-NC	0	0	0	0
3269	Milling Machines, Non-NC, N.E.C.	43	2859	9	826
3276	Vertical Boring Machines, Incl. VTLs, NC	0	0	0	0
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	27	1405	5	202
3281	Boring Machines, NC, N.E.C.	3	210	2	125
3283	Boring Machines, Non-NC, N.E.C.	37	2057	9	493
3503	Horizontal Lathes, Multi-Spindle, NC	22	2482	10	824
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	48	3602	16	910
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	12	1848	5	914
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	5	1486	1	896
3510	Horizontal Engine & Toolroom Lathes, Non-NC	34	1277	11	904
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	12	1319	0	0
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	4	386	1	25
3515	Automatic Bar Machines, Single-Spindle, Non-NC	13	129	2	9
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	18	663	12	412
3518	Horizontal Lathes, Non-NC, N.E.C.	117	3247	38	1714
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	1	235	0	0
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	3	113	1	56
3525	Vertical Lathes, Excl. VTLs, Non-NC	31	1326	5	238
3528	Grinding, Polishing, Honing & Lapping Machines, NC	55	7208	16	1113
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	25	942	1	13
3531	Tool & Cutter Grinding Machines, Non-NC	129	2231	41	1119
3532	Honing & Lapping Machines, Non-NC	203	2427	32	517
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	34	563	9	118
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	91	6724	16	906
3541	External Grinding Machines, Non-NC	6	426	1	53
3542	Internal Grinding Machines, Non-NC	13	2224	4	593
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	102	4714	12	771
3546	Grinding Machines, Non-NC, N.E.C.	91	4693	45	1220
3547	Traveling Wire Electrical Discharge Machines	3	190	0	0
3549	All Other Electrical Discharge Machines	71	566	13	97
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	4	181	0	0
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	32	1121	9	262
3559	Metal Cutting Machine Tools, NC, N.E.C.	60	2358	23	372
3565	Sawing & Cut-Off Machines, Non-NC	166	2166	43	530
3566	Broaching Machines, Non-NC	2	59	0	0
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	108	2859	20	428
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	1836	19388	563	3829
5000	Metal Cutting Machine Tools, Less Than $2500**	7535	4810	1923	1165
	TOTAL CUTTING			2956	28032
	TOTAL CUTTING YTD	11248	116779		
674:	METAL FORMING				
1011	Die Casting Machines & Parts	0	5438	0	1558
3568	Metal Forming Machine Tools, Used Or Rebuilt	367	3356	72	754
3569	Metal Forming Machine Tools, Less Than $2500	2653	1680	673	329
3571	Punching & Shearing Machines, Incl. Combination, NC	35	5305	4	546
3573	Shearing Machines, Non-NC	45	1094	7	130
3575	Punching & Combination Punching & Shearing Machines, Non-NC	320	8403	78	1723
3578	Bending, Folding, Straightening & Flattening Machines, NC	43	1916	13	925
3582	Press Brakes, Non-NC	27	1039	2	24
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	9	1171	3	224
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	326	9948	93	3058
3588	Mechanical Presses	109	8659	15	1178
3589	Hydraulic Presses, Vertical, Single Action	21	1726	4	491
3590	Hydraulic & Pneumatic Presses	405	17385	156	6860
3594	Headers & Upsetters, Non-NC	39	9693	7	3775
3595	Forging Machines, Non-NC, N.E.C.	28	887	3	51
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	398	22360	103	6415
	TOTAL FORMING			1233	28037
	TOTAL FORMING YTD	4825	100046		
	TOTAL ALL TYPES			4189	56069
	TOTAL ALL TYPES YTD	16073	216825		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554.
**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
APRIL 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	3	280	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	2	125	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	1	70	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	2	14
3532	1	16	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	3	137	0	0
3544	0	0	0	0	1	172	0	0	0	0
3546	0	0	0	0	0	0	1	27	4	239
3547	0	0	0	0	0	0	0	0	0	0
3549	2	38	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	32	211	0	0
5000	3	2	5	5	0	0	4	2	0	0
CUT MO	6	56	9	355	1	172	42	502	6	253
CUT YTD	34	218	80	1682	4	376	154	1488	10	529
1011	0	0	0	0	0	0	0	57	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	2	2	49	26	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	4	50	1	6
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	1	210	0	0	1	26	0	0
3588	0	0	0	0	0	0	2	497	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	1	31
3598	0	0	4	265	0	0	1	7	0	0
FRM MO	0	0	5	475	2	2	57	663	2	37
FRM YTD	1	92	38	673	7	130	194	3729	10	187
TOT MO	6	56	14	830	3	174	99	1165	8	290
TOT YTD	35	310	118	2355	11	506	348	5217	20	716

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
APRIL 1988

	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	1	30	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	1	48	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	2	128	0	0	0	0	1	111	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	1	5
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	2	29	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	1	7	1	3
4000	35	92	0	0	0	0	2	37	27	67
5000	87	52	31	19	0	0	0	0	0	0
CUT MO.	127	331	31	19	0	0	5	203	29	75
CUT YTD	239	2982	121	923	0	0	181	942	101	609
1011	0	0	0	0	0	0	0	0	0	0
3568	0	0	0	0	0	0	23	223	0	0
3569	0	0	23	4	0	0	0	0	40	6
3571	0	0	1	169	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	2	66	0	0	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	33	4	19	0	0	7	127	2	46
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	1	1530	0	0	0	0	1	700	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	5	101	0	0	3	919	1	16
FRM MO.	2	1563	35	359	0	0	34	1969	43	68
FRM YTD	42	2930	59	1494	0	0	38	2189	69	350
TOT MO.	129	1894	66	378	0	0	39	2172	72	143
TOT YTD	281	5912	180	2417	0	0	219	3131	170	959

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
APRIL 1988

	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	6	273	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	1	194	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	3	237	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	1	82	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	1	106	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	12	607	0	0	0	0	0	0
3507	0	0	4	541	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	1	27	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	1	56	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	6	348	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	2	134	0	0	13	64	0	0
3532	11	140	0	0	0	0	2	16	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	1	50	0	0
3541	0	0	1	53	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	1	101	0	0
3546	5	27	0	0	0	0	2	71	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	6	77	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	3	20	0	0	2	70	0	0
4000	0	0	15	459	0	0	15	141	1	74
5000	0	0	177	109	0	0	168	60	0	0
CUT MO	16	167	234	2871	0	0	210	1025	1	74
CUT YTD	100	1014	1084	9393	6	67	527	5418	1	74
1011	0	0	0	87	0	0	0	95	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	10	3	32	11	0	0	32	8	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	1	60	4	100	0	0	1	24	0	0
3578	0	0	1	14	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	18	158	0	0	10	135	1	95
3588	0	0	1	46	0	0	0	0	0	0
3589	0	0	0	0	0	0	2	283	0	0
3590	0	0	4	31	0	0	2	332	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	1	572	5	309	0	0	3	49	2	189
FRM MO	12	635	65	756	0	0	50	926	3	284
FRM YTD	29	837	146	4853	2	52	702	7186	4	612
TOT MO	28	802	299	3627	0	0	260	1951	4	358
TOT YTD	129	1851	1230	14246	8	119	1229	12604	5	686

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
APRIL 1988

674:	OTH EUROPE		CANADA		MEXICO		OTH N & C		ARGENTINA	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	1	192	0	0	0	0
3204	0	0	5	388	0	0	0	0	1	134
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	2	707	0	0	0	0	0	0
3211	0	0	0	0	2	82	0	0	0	0
3216	0	0	1	169	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	1	267	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	1	4	1	28	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	1	5	0	0	0	0
3257	0	0	1	3	0	0	0	0	0	0
3258	1	6	1	4	4	29	0	0	0	0
3264	0	0	1	372	0	0	0	0	0	0
3266	0	0	3	82	0	0	0	0	0	0
3267	0	0	1	44	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	2	25	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	2	93	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	4	301	0	0	0	0	0	0
3503	0	0	1	100	8	660	0	0	0	0
3505	0	0	3	233	0	0	0	0	0	0
3507	0	0	1	373	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	2	84	3	187	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	1	25	0	0	0	0
3515	0	0	1	3	0	0	0	0	0	0
3516	0	0	3	48	0	0	0	0	0	0
3518	0	0	9	155	6	99	1	12	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	1	112	2	56	0	0	0	0
3528	0	0	1	263	0	0	0	0	0	0
3529	0	0	1	13	0	0	0	0	0	0
3531	0	0	11	128	3	50	0	0	0	0
3532	2	27	1	7	2	146	1	6	0	0
3533	0	0	3	49	0	0	0	0	0	0
3538	0	0	1	30	4	89	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	1	456	0	0	0	0	0	0
3544	0	0	0	0	1	6	0	0	3	31
3546	0	0	2	31	28	443	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	2	4	1	7	5	8	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	2	44	0	0	0	0	0	0
3559	0	0	19	274	0	0	0	0	0	0
3565	0	0	18	156	10	101	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	6	60	4	39	0	0	0	0
4000	0	0	15	128	225	711	5	11	0	0
5000	8	13	867	484	116	44	50	34	0	0
CUT MO	13	50	992	5405	428	3292	57	63	4	165
CUT YTD	138	1100	3450	22508	1632	14294	200	346	45	615
1011	0	25	0	732	0	44	0	18	0	0
3568	1	28	7	169	33	226	0	0	0	0
3569	33	11	381	172	53	43	1	2	4	4
3571	0	0	2	272	0	0	0	0	0	0
3573	0	0	7	130	0	0	0	0	0	0
3575	1	7	13	316	15	291	3	41	0	0
3578	2	171	5	211	1	39	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	3	224	0	0	0	0
3584	9	130	21	309	3	149	0	0	1	8
3588	0	0	1	90	5	87	0	0	0	0
3589	0	0	0	0	1	187	0	0	0	0
3590	1	85	55	1896	50	1239	0	0	0	0
3594	0	0	4	1172	0	0	0	0	0	0
3595	1	6	0	0	1	14	0	0	0	0
3598	0	0	22	961	19	263	0	0	0	0
FRM MO	48	413	468	6430	184	2806	4	61	5	12
FRM YTD	66	1087	1580	18048	903	10540	15	268	22	560
TOT MO	61	463	1460	11835	612	6098	61	124	9	177
TOT YTD	204	2187	5030	40556	2535	24834	215	614	67	1175

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
APRIL 1988

	BRAZIL		COLOMBIA		VENEZUELA		OTH. S. AM.		CHINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	2	612
3209	0	0	0	0	0	0	0	0	0	0
3211	3	75	2	181	0	0	0	0	1	1020
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	1	60	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	2	70	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	1	66	0	0	2	43	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	1	14	0	0	0	0
3503	1	64	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	2	11	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	1	6	0	0	0	0
3516	8	316	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	1	12	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	9	502
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	2	12
3532	0	0	0	0	0	0	0	0	11	141
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	4	56	4	36	1	637
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	3	31	0	0	0	0	0	0	1	233
3546	0	0	0	0	0	0	0	0	4	102
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	2	35	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	1	114	1	12
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	1	13	0	0	1	13	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	1	70	0	0	0	0
4000	7	231	5	227	12	264	12	68	95	828
5000	2	3	2	4	43	29	11	6	3	3
CUT MO	25	786	15	483	67	612	29	237	130	4102
CUT YTD	42	1869	32	782	386	4919	77	643	166	5877
1011	0	0	0	9	0	0	0	0	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	25	10	2	4	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	1	5	0	0	3	20	0	0	2	160
3578	0	0	0	0	2	139	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	0	0
3588	2	55	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	2	22	0	0	0	0	2	555
3594	1	373	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	1	26	1	256	0	0	1	51
FRM MO	4	433	3	57	31	425	2	4	5	766
FRM YTD	26	2437	10	318	101	2724	20	284	32	2391
TOT MO	29	1219	18	540	98	1037	31	241	135	4868
TOT YTD	68	4306	42	1100	487	7643	97	927	198	8268

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
APRIL 1988

674:	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	1	328	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	2	156
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	1	41
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	1	33
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	10	1360
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	1	58	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	1	10	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	1	8	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	1	185
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	4	78
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	1	96
4000	0	0	0	0	0	0	1	2	2	28
5000	30	20	0	0	0	0	8	5	92	55
CUT MO	31	30	2	336	0	0	10	65	114	2032
CUT YTD	157	492	111	1159	26	289	82	3320	728	7892
1011	0	4	0	0	0	0	0	14	0	12
3568	0	0	0	0	0	0	0	0	6	95
3569	0	0	0	0	0	0	0	0	13	10
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	1	12	0	0	0	0	0	0	6	158
3578	1	70	0	0	1	281	0	0	0	0
3582	2	24	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	11	1407
3588	0	0	0	0	0	0	0	0	2	43
3589	1	21	0	0	0	0	0	0	0	0
3590	1	248	1	144	0	0	0	0	13	1220
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	6	121	0	0	0	0	0	0	1	25
FRM MO	12	500	1	144	1	281	0	14	52	2970
FRM YTD	64	1174	10	375	6	285	6	945	177	13407
TOT MO	43	530	3	480	1	281	10	79	166	5002
TOT YTD	221	1666	121	1534	32	574	88	4265	905	21299

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
APRIL 1988

674	KOREAN REP.		PAKISTAN		S. ARABIA		SINGAPORE		TAIWAN	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	1	231	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	1	50
3211	0	0	1	47	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	1	896	0	0
3510	4	622	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	1	7	10	54
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	3	464
3532	1	18	0	0	0	0	0	0	0	0
3533	6	69	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	1	12
3546	0	0	0	0	0	0	1	280	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	1	14	0	0	0	0	0	0	0	0
3559	3	51	0	0	0	0	0	0	0	0
3565	1	11	1	23	1	97	0	0	2	10
3566	0	0	0	0	0	0	0	0	0	0
3567	1	63	0	0	0	0	0	0	0	0
4000	34	93	0	0	0	0	9	80	6	51
5000	39	25	0	0	34	3	33	34	4	3
CUT MO	91	1197	2	70	35	100	45	1297	27	644
CUT YTD	347	14807	70	455	150	384	193	2646	218	2254
1011	0	428	0	0	0	0	0	0	0	0
3568	2	13	0	0	0	0	0	0	0	0
3569	7	4	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	1	143	0	0	0	0	0	0	1	9
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	163	0	0	0	0	0	0	1	25
3588	0	0	0	0	0	0	1	43	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	9	600	0	0	0	0	4	60	10	423
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	10	347	0	0	0	0	4	154	4	1567
FRM MO	30	1698	0	0	0	0	9	257	16	2024
FRM YTD	115	6192	1	28	15	100	48	617	52	5123
TOT MO	121	2895	2	70	35	100	54	1554	43	2668
TOT YTD	462	20999	71	483	165	484	241	3263	270	7377

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
APRIL 1988

	TURKEY		OTHER ASIA		AUSTRALIA		NEW ZEALAND		OTH OCEANIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	5	731	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	1	9	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	1	4	0	0	0	0	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	1	47	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	2	5	6	21	0	0	0	0
5000	0	0	19	26	19	17	14	20	0	0
CUT MO	5	731	22	35	27	94	14	20	0	0
CUT YTD	25	1718	102	1074	103	726	30	67	2	9
1011	0	0	0	16	0	17	0	0	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	16	9	0	0	0	0
3571	0	0	0	0	1	105	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	15	193	1	45	2	17	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	1	18	0	0	0	0
3588	1	317	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	1	40	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	6	154	3	63	0	0	0	0
FRM MO	1	317	21	363	23	297	2	17	0	0
FRM YTD	10	546	86	3755	95	2356	8	82	0	0
TOT MO	6	1048	43	398	50	391	16	37	0	0
TOT YTD	35	2264	188	4829	198	3082	38	149	2	9

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
APRIL 1988

674:	EGYPT UNITS	EGYPT $000	REP. S. AFR UNITS	REP. S. AFR $000	OTH. AFRICA UNITS	OTH. AFRICA $000
3020	0	0	0	0	0	0
3045	0	0	0	0	0	0
3204	0	0	0	0	0	0
3206	0	0	0	0	0	0
3209	0	0	0	0	0	0
3211	0	0	0	0	0	0
3216	0	0	0	0	0	0
3225	0	0	0	0	0	0
3245	0	0	0	0	0	0
3246	0	0	0	0	0	0
3247	0	0	0	0	0	0
3248	0	0	0	0	0	0
3249	0	0	0	0	0	0
3254	0	0	0	0	0	0
3255	0	0	0	0	0	0
3256	0	0	0	0	0	0
3257	0	0	0	0	0	0
3258	0	0	0	0	0	0
3264	0	0	0	0	0	0
3266	0	0	0	0	0	0
3267	0	0	0	0	0	0
3268	0	0	0	0	0	0
3269	0	0	0	0	0	0
3276	0	0	0	0	0	0
3277	0	0	0	0	0	0
3281	0	0	0	0	0	0
3283	0	0	0	0	0	0
3503	0	0	0	0	0	0
3505	0	0	0	0	0	0
3507	0	0	0	0	0	0
3509	0	0	0	0	0	0
3510	0	0	0	0	0	0
3511	0	0	0	0	0	0
3512	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3521	0	0	0	0	0	0
3523	0	0	0	0	0	0
3525	0	0	0	0	0	0
3528	0	0	0	0	0	0
3529	0	0	0	0	0	0
3531	0	0	0	0	0	0
3532	0	0	0	0	0	0
3533	0	0	0	0	0	0
3538	0	0	0	0	0	0
3541	0	0	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	0	0	0	0	0	0
3547	0	0	0	0	0	0
3549	0	0	0	0	0	0
3551	0	0	0	0	0	0
3553	0	0	0	0	0	0
3559	0	0	0	0	0	0
3565	0	0	0	0	0	0
3566	0	0	0	0	0	0
3567	0	0	0	0	0	0
4000	0	0	0	0	0	0
5000	0	0	53	86	1	2
CUT MO.	0	0	53	86	1	2
CUT YTD	1	227	89	585	4	26
1011	0	0	0	0	0	0
3568	0	0	0	0	0	0
3569	0	0	0	0	0	0
3571	0	0	0	0	0	0
3573	0	0	0	0	0	0
3575	0	0	0	0	0	0
3578	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	0	0	0	0	0	0
3584	0	0	0	0	0	0
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	1	15	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3598	0	0	0	0	0	0
FRM MO.	0	0	1	15	0	0
FRM YTD	0	3	11	33	5	1068
TOT MO.	0	0	54	101	1	2
TOT YTD	1	230	100	618	9	1094

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMNS
APRIL 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	1	7	1	7
CZECHOSLOVAKIA	0	0	1	35	1	35
EAST GERMANY	0	0	0	0	0	0
FINLAND	4	10	17	227	21	237
GIBRALTAR	0	0	0	0	0	0
GREECE	2	4	0	0	2	4
HUNGARY	0	0	0	0	0	0
ICELAND	4	7	4	3	8	10
MALTA	0	0	0	0	0	0
NORWAY	0	0	21	38	21	38
PORTUGAL	3	29	4	103	7	132
ROMANIA	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	13	50	48	413	61	463
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	47	30	0	0	47	30
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	1	12	0	12	1	24
DOMINICAN REP.	0	0	1	2	1	2
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	5	14	0	0	5	14
HAITI	1	3	0	0	1	3
HONDURAS	0	0	3	41	3	41
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	1	2	0	0	1	2
PANAMA	0	0	0	0	0	0
SALVADOR	2	2	0	6	2	8
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	57	63	4	61	61	124
OTHER SOUTH AMERICA						
BOLIVIA	0	0	0	0	0	0
CHILE	18	76	2	4	20	80
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	5	34	0	0	5	34
PERU	1	114	0	0	1	114
SURINAM	0	0	0	0	0	0
URAGUAY	5	13	0	0	5	13
OTHER S. AM.	0	0	0	0	0	0
TOTAL	29	237	2	4	31	241
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
APRIL 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGALDESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	5	7	0	0	5	7
KUWAIT	11	19	0	0	11	19
LEBANON	0	0	0	0	0	0
MALAYSIA	4	4	14	231	18	235
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0
QATAR	2	5	0	0	2	5
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	7	132	7	132
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	22	35	21	363	43	398
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAGASY RFP	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	1	2	0	0	1	2
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	1	2	0	0	1	2

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. EM522, NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED
3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING.